

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
25 August 2005 (25.08.2005)

PCT

(10) International Publication Number
WO 2005/078205 A1

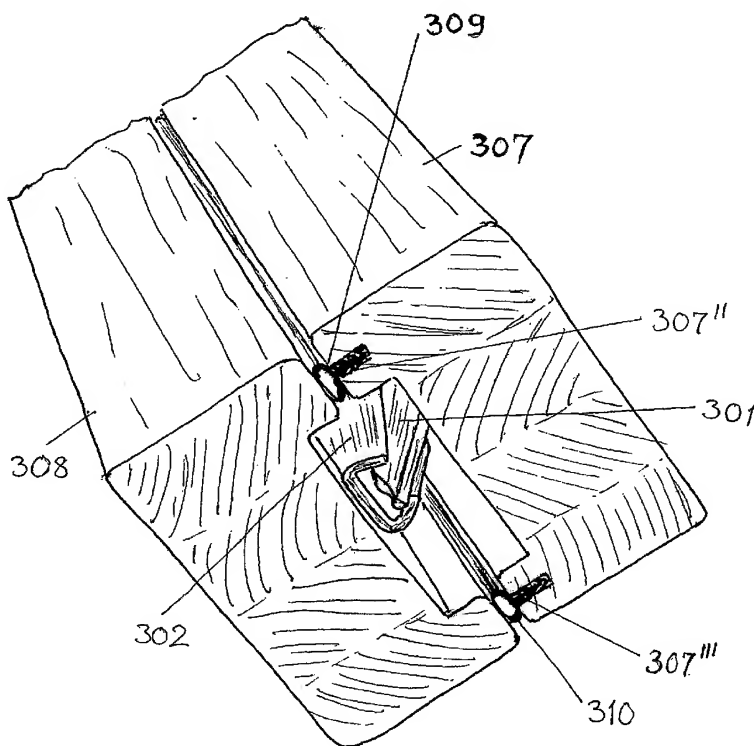
- (51) International Patent Classification⁷: **E04B 1/61**,
F16B 5/00
- (21) International Application Number:
PCT/NO2005/000047
- (22) International Filing Date: 11 February 2005 (11.02.2005)
- (25) Filing Language: Norwegian
- (26) Publication Language: English
- (30) Priority Data:
20040648 13 February 2004 (13.02.2004) NO
- (71) Applicant and
(72) Inventor: **GUTTORMSEN, Ove, Kornelius** [NO/NO];
Theresesgate 6, N-0452 Oslo (NO).
- (74) Agent: **LANGFELDT, Jens, F., C.**; Zacco Norway AS,
P.O. Box 765, Sentrum, N-0106 Oslo (NO).

(81) Designated States (*unless otherwise indicated, for every kind of national protection available*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (*unless otherwise indicated, for every kind of regional protection available*): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

[Continued on next page]

(54) Title: DEVICE FOR CONNECTING STRUCTURAL ELEMENTS



(57) Abstract: A device for connecting structural elements, the device consisting of a male component (301) and a female component (302) having at least over a part of their length wedge-shaped engaging parts (303; 304) having an almost dovetail-like, gradually decreasing cross-section, and wherein the male component and the female component are mountable on a face or edge of the structural elements (307; 308) in order, on movement of the structural elements relative to each other, to cause the male and female components to engage wedgingly. The male and female components each have at least one portion (305', 305''; 306, 306') designed for abutment against each other and arranged to prevent the male component from penetrating wedgingly to the maximum into the female component, thereby avoiding reciprocal deformation of the male and female components or material strain thereof on penetration.



Published:

— with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.